

REMARKS

Reconsideration of the Application is requested.

Claim Rejections - 35 USC § 103

"Claims 1-18 are rejected under 35 USC 103(a) as being unpatentable over Teres et al US Patent No. 6,184,871 in view of Olsen et al US Patent No. 6,137,479 and further in view of Ferrari et al US Patent 6,392,636.

Applicant's Response - Claim 1

Claim 1 has been amended in order to define more precisely the touch sensitive sensors which are of the capacitive type and the sensitive pads which are formed by electrodes deposited underneath the outer element (supported in the original specification page 5, lines 36-37 and page 6, line 1).

Teres discloses exclusively an identification device of a manual action on a surface. By "identification device", it is to be understood a recognition device for recognizing character drawn manually on a surface (see column 1, lines 16-17 referring to lines 12-13). As noticed by the Examiner, Teres lacks a full disclosure of "a first control means for controlling the movement of a cursor on a computer screen", which is the main goal achieved by the present invention. Further, the first control means claimed is an advantageous solution of a compact mouse watch device which can be used while being worn by the user (see page 2, lines 26-37 and page 3, lines 1-3 of the specification).

Moreover, there is no suggestion in Teres to associate the movement of the finger on the surface, i.e. the glass of the watch, with control means for controlling the movement of a cursor on a computer screen.

Olsen discloses several embodiments of a computer mouse and watch combination (see figures 4A, 4B and 4C). Figure 4A represents a roller ball mounted on the bottom of the mouse watch device to detect its movement as it rolled on a surface. Figure 4B represents a track ball mounted on the top of the mouse watch device, the track ball being rotated to move the cursor on the display screen. And Figure 4C represents a mouse watch device including a pressure sensor which, when pressed, generates signals indicative of the applied pressure.

Then the pressure signals are processed to generate signals which control the position of the cursor on the display screen.

Consequently, one of ordinary skill in the art, which would try to make a mouse watch device by incorporating Olsen control means for controlling the movement of a cursor into Tere's watch will have three (3) alternatives:

1. Use the teaching corresponding to Figure 4A and therefore would obtain a mouse watch device of Teres' type equipped with a roller ball mounted on the bottom of the watch, which is a solution that cannot be used while the user wears it watch;
2. Use the teaching corresponding to Figure 4B and therefore would obtain a mouse watch device of Teres' type equipped with a track ball mounted on the top of the watch, which is a non-esthetical and non-compact watch;
3. Use the teaching corresponding to Figure 4C and therefore he would obtain a mouse watch device of Teres' type equipped with pressure sensor for detecting movement.

Both first alternatives lead one skilled in the art very far from claim 1, which states that the first control means are formed of a plurality of touch sensitive sensors with each touch sensitive sensor having a touch sensitive pad being at least partially transparent.

In order to distinguish more clearly claim 1 from the third alternative solution, claim 1 has been currently amended defining more precisely the first control means which are now limited to touch sensitive sensors of the capacitive type and sensitive pads formed by electrodes deposited underneath the outer element. This is not the case in the pressure sensor disclosed in Olsen.

Applicant's Response - Claim 13

Claim 1 has been amended in order to define more precisely the second control means which are formed by a capacitive sensor supported by the outer element and located in the central region thereof (supported in the original specification page 5, lines 36-37 and page 6, line 1).

Applicant's Response - Claim 7

Claim 7 has been amended.

**Applicant's Response
to Dependent Claims**

Further, the Applicant respectfully disagrees with the Examiner's rejections, in particular, these made against claims 6, 10, 13, 15 and 17 for the following reasons.

Claim 6 introduces means for detecting the speed of a user's finger or means for detecting the actuation of successive sensors. None of Teres or Olsen document discloses means for detecting the speed of the user's finger on such sensitive sensors. Moreover, Teres only discloses, as noticed by the Examiner, means for detecting the activated sensor representing the greatest variation of electrical quantity. Nevertheless, there is no suggestion to measure the time between each actuation of a sensor and therefore for deducing the actuation frequency of successive sensors.

Claim 10 mentions that the speed of movement of said cursor depends on the concentric zones actuated or two adjacent concentric zones which are actuated simultaneously. Although Teres discloses concentric zones, it is silent concerning detection of the speed of movement and how such a speed detection could be measured.

Concerning limitations disclosed in any of claims 13 and 15, none of them can be found in Teres or Olsen. Only Olsen discloses computer mouse switches 28 or 64 (see for example, figures 4B and 4C), but it does not suggest to use a capacitive sensor (amended claim 13) or to dispose the mouse switches on the wristband (claim 15).


Claim 17 is limited to second control means formed by a piezoelectric crystal pressure sensor arranged on the periphery of the outer element. Even if Olsen teaches pressure sensor mouse switches, there is no suggestion of arranging it on the periphery of the outer element.

Conclusion

In view of the above, Applicant respectfully requests that this amendment be entered and the claims be allowed so that a patent may issue.

Respectfully submitted,

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